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IN THE CLAIMS

Please cancel claims 5, 29, and 34 without prejudice. Please amend claims 1-4, 6-14, 17, 19-22, 24-26, 30-33, 35-44, and 46-47 as follows below.

Please add new claims 48-51 as follows below.

MARKED UP CLAIMS

- 1 1. (Currently Amended) A light comprising: 2 a rotatable acrylic rod having a first end and a 3 . second end, the rotatable acrylic rod to rotate to 4 change a direction of radiation of light; 5 a first circuit board including one or more light 6 emitting diodes (LEDs) electrical-to-optical converters 7 to generate photons, an optical axis of each of the one 8 or more light emitting diodes (LEDs) substantially in 9 parallel with a central optical axis of the rotatable 10 acrylic rod; and 11 a first end housing having a first opening through 12 which the first end of the acrylic rod is inserted, the 13 rotatable acrylic rod rotatable within the first end 14 housing, the first end housing to house the first 15 circuit board and align the one or more electrical-to-16 optical converters light emitting diodes (LEDs) of the 17 first circuit board with the first opening and the 18 first end of the rotatable acrylic rod. 1 2. (Currently Amended) The light of claim 1, wherein
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the rotatable acrylic rod is clear.

- 1 3. (Currently Amended) The light of claim 1, wherein
 2 the rotatable acrylic rod is cylindrical.
- 1 4. (Currently Amended) The light of claim 1, further 2 comprising:
- a second circuit board including one or more

 delectrical-to-optical converters light emitting diodes

 (LEDs) to generate photons; and
- a second end housing having a second opening
 through which the second end of the <u>rotatable</u> acrylic
 rod is inserted, the second end housing to house the
 second circuit board and align the one or more
 electrical-to-optical converters <u>light emitting diodes</u>
- (LEDs) of the second circuit board with the second opening and the second end of the <u>rotatable</u> acrylic rod.
- 1 5. (Cancelled)
- 1 6. (Currently Amended) The light of claim $\underline{1}$ [[5]],
- 2 wherein
- 3 the one or more light emitting diodes (LEDs) emit an
- 4 incoherent light for dispersion out of the <u>rotatable</u> acrylic
- 5 rod.
- 7. (Currently Amended) The light of claim 1, wherein
- 2 the length of the rotatable acrylic rod is proportional
- 3 to a desired wavelength and-frequency of light.

- 1 8. (Currently Amended) The light of claim 1, wherein
- 2 the diameter of the rotatable acrylic rod is
- 3 proportional to a desired wavelength and frequency of light.
- 9. (Currently Amended) The light of claim 1, further
- 2 comprising:
- 3 a first reflector coupled to the first circuit board
- 4 around the one or more electrical-to-optical converters
- 5 light emitting diodes (LEDs) at a first end, a second end of
- 6 the first reflector aligned with the first opening and
- 7 receiving the first end of the rotatable acrylic rod, the
- 8 first reflector to reflect photons into the rotatable
- 9 acrylic rod.
- 1 10. (Currently Amended) The light of claim 1, further
- 2 comprising:
- 3 a reflective strip coupled down the length of the
- 4 rotatable acrylic rod to reflect photons out of the
- 5 rotatable acrylic rod.
- 1 11. (Currently Amended) The light of claim 10, wherein
- the reflective strip encompasses one hundred eight
- 3 degrees of a diameter of a circular cylindrical cross-
- 4 section of the rotatable acrylic rod.
- 1 12. (Currently Amended) The light of claim 10, wherein

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- 2 the reflective strip encompasses ninety degrees of a
- 3 diameter of a circular cylindrical cross-section of the
- 4 rotatable acrylic rod.
- 1 13. (Currently Amended) The light of claim 10, wherein
- 2 the reflective strip encompasses forty five degrees of
- 3 a diameter of a circular cylindrical cross-section of the
- 4 rotatable acrylic rod.
- 1 14. (Currently Amended) The light of claim 1, wherein
- the photons are coupled into the rotatable acrylic rod
- 3 and radiated outward therefrom without the use of a fragile
- 4 glass bulb or filament.
- 1 15. (Original) The light of claim 1, wherein
- the light is mounted to a rack to light rack mounted
- 3 equipment.
- 1 16. (Original) The light of claim 1, wherein
- 2 the light is a light fixture to mount to a surface to
- 3 illuminate an area.
- 1 17. (Currently Amended) The light of claim 1, further
- 2 comprising:
- 3 an electrical-to-optical controller coupled to the
- first circuit board to control the one or more
- 5 <u>electrical-to-optical converters</u> light emitting diodes
- 6 (LEDs); and

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7 an on/off switch to switch the generation of 8 photons by the one or more electrical-to-optical 9 converters light emitting diodes (LEDs) on and off. 1 18. (Original) The light of claim 17, further 2 comprising: 3 an intensity selection switch to vary the 4 brightness of the generated light. 1 19. (Currently Amended) The light of claim 17, further 2 comprising: 3 a color selection switch to selectively choose 4 [[the]] a mixture of primary colors generated by the 5 one or more electrical-to-optical converters light 6 emitting diodes (LEDs) to vary the color of the 7 generated light. 1 20. (Currently Amended) The light of claim 1, further 2 comprising: 3 a transformer to transform AC power to a safe 4 efficient power to power the one or more electrical-to-5 optical converters light emitting diodes (LEDs) of the 6 first circuit board in an efficient manner. 1 21. (Currently Amended) A method of lighting without a 2 light bulb, the method comprising: 3 generating first photons of a first desired color; 4 coupling the first photons into a first end of [[an]] a 5 rotatable acrylic rod; [[and]]

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- 6 radiating the first photons out of the rotatable
- 7 acrylic rod as light in [[the]] a first direction; and
- 8 rotating the rotatable acrylic rod to radiate the first
- 9 photons in a second direction different from the first
- 10 direction.
- 1 22. (Currently Amended) The method of claim 21,
- 2 further comprising:
- 3 generating second photons of the first desired color;
- 4 coupling the second photons into a second end of the
- 5 rotatable acrylic rod; and
- 6 radiating the second photons out of the rotatable
- 7 acrylic rod as light in the first direction or the second
- 8 direction.
- 1 23. (Previously Presented) The method of claim 21,
- 2 further comprising:
- 3 varying a mixture of the first photons to change the
- 4 first desired color to a second desired color.
- 1 24. (Currently Amended) The method of claim 21,
- 2 further comprising:
- 3 uniformly varying the mixture of the first photons
- 4 generated and coupled into the rotatable acrylic rod to vary
- 5 the intensity of the light.
- 1 25. (Currently Amended) The method of claim 21,
- 2 wherein,
- 3 the rotatable acrylic rod is cylindrically shaped.

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1
         26. (Currently Amended) The method of claim 21,
2
    wherein,
3
         the rotatable acrylic rod is clear.
1
         27-29. (Cancelled)
1
         30. (Currently Amended) The method of claim 22 [[21]],
2
    further comprising: wherein
3
         the rotating of the rotatable acrylic rod to radiate
4
    both the first photons and the second photons in [[a]] the
5
    second direction different from the first direction.
1
         31. (Currently Amended)
                                  A light to mount to an
2
    equipment rack to provide equipment lighting, the light
3
    comprising:
4
              [[an]] a rotatable acrylic rod having a first end
5
         and a second end, the rotatable acrylic rod to rotate
6
         to change a direction of radiation of light;
7
              a first circuit board including one or more
8
         electrical-to-optical converters light emitting diodes
9
         (LEDs) to generate photons, an optical axis of each of
10
         the one or more light emitting diodes (LEDs)
11
         substantially in parallel with a central optical axis
12
         of the rotatable acrylic rod at the first end;
13
              a first end housing having a first opening through
14
         which the first end of the rotatable acrylic rod is
15
         inserted, the first end housing to house the first
16
         circuit board and align the one or more electrical-to-
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17 optical converters light emitting diodes (LEDs) of the 18 first circuit board with the first opening and the 19 first end of the rotatable acrylic rod; 20 a second circuit board including one or more 21 electrical-to-optical converters light emitting diodes 22 (LEDs) to generate photons, an optical axis of each of 23 the one or more light emitting diodes (LEDs) 24 substantially in parallel with the central optical axis 25 of the rotatable acrylic rod at the second end; and 26 a second end housing having a second opening 27 through which the second end of the acrylic rod is 28 inserted, the second end housing to house the second 29 circuit board and align the one or more electrical-to-30 optical converters light emitting diodes (LEDs) of the 31 second circuit board with the second opening and the 32 second end of the rotatable acrylic rod. 1 32. (Currently Amended) The light of claim 31, wherein 2 the rotatable acrylic rod is clear. 1 33. (Currently Amended) The light of claim 31, wherein the rotatable acrylic rod is cylindrical. 2 1 34. (Cancelled) 1 35. (Currently Amended) The light of claim 31 [[34]],

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wherein

- 3 the one or more light emitting diodes (LEDs) emit an
- 4 incoherent light for dispersion out of the rotatable acrylic
- 5 rod.
- 1 36. (Currently Amended) The light of claim 31, wherein
- a length of the rotatable acrylic rod is proportional
- 3 to a desired wavelength and frequency of light.
- 1 37. (Currently Amended) The light of claim 31, wherein
- a diameter of the rotatable acrylic rod is proportional
- 3 to a desired wavelength and frequency of light.
- 1 38. (Currently Amended) The light of claim 31, further
- 2 comprising:
- 3 a first reflector coupled to the first circuit board
- 4 around the one or more electrical-to-optical converters
- 5 light emitting diodes (LEDs) at a first end, a second end of
- 6 the first reflector aligned with the first opening and
- 7 receiving the first end of the rotatable acrylic rod, the
- 8 first reflector to reflect photons into the rotatable
- 9 acrylic rod;
- 10 a second reflector coupled to the second circuit board
- 11 around the one or more electrical-to-optical converters
- 12 light emitting diodes (LEDs) at a second end, a second end
- 13 of the first reflector aligned with the second opening and
- 14 receiving the second end of the rotatable acrylic rod, the
- 15 second reflector to reflect photons into the rotatable
- 16 acrylic rod.

- 1 39. (Currently Amended) The light of claim 31, further
- 2 comprising:
- 3 a reflective strip coupled down the length of the
- 4 rotatable acrylic rod to reflect photons out of the
- 5 rotatable acrylic rod.
- 1 40. (Currently Amended) The light of claim 39, wherein
- 2 the reflective strip encompasses one hundred eight
- 3 degrees of a diameter of a circular cylindrical cross-
- 4 section of the rotatable acrylic rod.
- 1 41. (Currently Amended) The light of claim 39, wherein
- 2 the reflective strip encompasses ninety degrees of a
- 3 diameter of a circular cylindrical cross-section of the
- 4 rotatable acrylic rod.
- 1 42. (Currently Amended) The light of claim 41, wherein
- 2 the reflective strip encompasses forty five degrees of
- 3 a diameter of a circular cylindrical cross-section of the
- 4 rotatable acrylic rod.
- 1 43. (Currently Amended) The light of claim 31, wherein
- 2 the photons are coupled into the rotatable acrylic rod
- 3 and radiated outward therefrom without the use of a fragile
- 4 glass bulb or filament.
- 1 44. (Currently Amended) The light of claim 31, further
- 2 comprising:

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3	an electrical-to-optical controller coupled to the
4	first circuit board to control the one or more
5	electrical-to-optical converters light emitting diodes
6	(LEDs); and
7	an on/off switch to switch the generation of
8	photons by the one or more electrical-to-optical
9	converters light emitting diodes (LEDs) on and off.
1	45. (Previously Presented) The light of claim 44,
2	further comprising:
3	an intensity selection switch to vary the
4	brightness of the generated light.
1	46. (Currently Amended) The light of claim 45, further
2	comprising:
3	a color selection switch to selectively choose
4	[[the]] \underline{a} mixture of primary colors generated by the
5	one or more electrical-to-optical converters <u>light</u>
6	emitting diodes (LEDs) to vary the color of the
7	generated light.
1	47. (Currently Amended) The light of claim 31, further
2	comprising:
3	a transformer to transform AC power to a safe
4	efficient power to power the one or more electrical-to-
5	optical converters light emitting diodes (LEDs) of the
6	first and second circuit boards in an efficient manner.
1	48 (New) The light of claim 1 wherein

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- 2 the length of the rotatable acrylic rod is proportional
- 3 to a desired frequency of light.
- 1 49. (New) The light of claim 1, wherein
- 2 the diameter of the rotatable acrylic rod is
- 3 proportional to a desired frequency of light.
- 1 50. (New) The light of claim 31, wherein
- a length of the rotatable acrylic rod is proportional
- 3 to a desired frequency of light.
- 1 51. (New) The light of claim 31, wherein
- a diameter of the rotatable acrylic rod is proportional
- 3 to a desired frequency of light.

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